

CLAIMS

1. A roller bearing comprising:

an outer ring, an inner ring, a plurality of rollers placed
5 between the two rings and an annular elastic member that is fitted
to an annular groove formed in either one of the outer
circumference of the outer ring and the inner circumference of
the inner ring,

wherein a chamfered portion formed on one side face of
10 the groove and a chambered portion formed on the other side face
are made asymmetric with each other.

2. The roller bearing according to claim 1, wherein the
greater chamfered portion has a distance from the bottom face
15 of the groove, which is set to $1/2$ or more of the thickness of
the elastic member.

3. A motor device comprising:

a motor, a housing that accommodates the motor and a roller
20 bearing that has an outer ring, an inner ring and a plurality
of rollers interposed between the two rings, and supports the
rotation axis of the motor, with an annular elastic member being
fitted to an annular groove formed in the outer circumference
of the outer ring of the roller bearing,

25 wherein a chamfered portion formed on one side face of

the groove to which the elastic member is fitted and a chambered portion formed on the other side face are made asymmetric with each other.

5 4. The motor device according to claim 3, wherein the greater chamfered portion has a distance from the bottom face of the groove that is set to $1/2$ or more of the thickness of the elastic member.

10 5. The motor device according to claim 3 or 4, wherein upon fitting the outer ring to the housing, the greater chamfered portion is fitted thereto later.